THE EFFECT OF REDISTRICTING COMMISSIONS

Daniel B. Magleby, Ph.D.

Outline of Presentation

1. Define gerrymandering(s)

Outline of Presentation

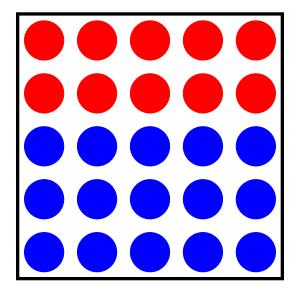
1. Define gerrymandering(s)

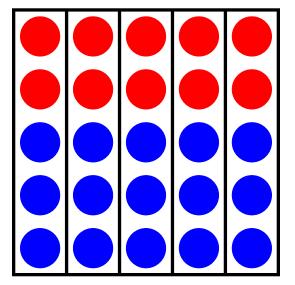
3. Are commissions a solution?

Outline of Presentation

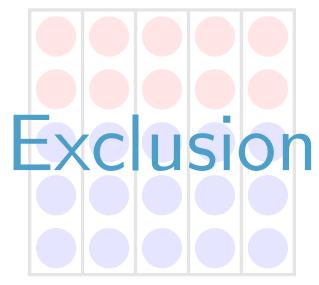
- 1. Define gerrymandering(s)
- 2. Simulation methods
- 3. Are commissions a solution?

1. Definitions

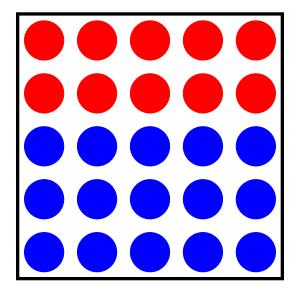


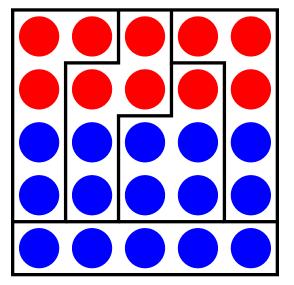


Cracking Gerrymander

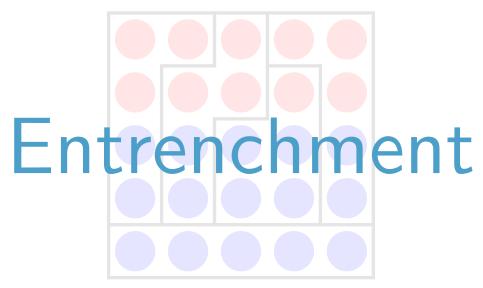


Cracking Gerrymander





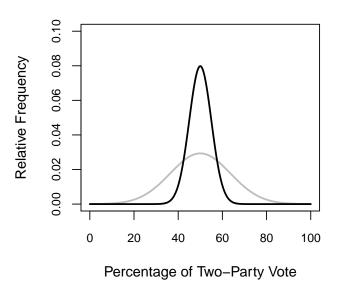
Packing Gerrymander



Packing Gerrymander

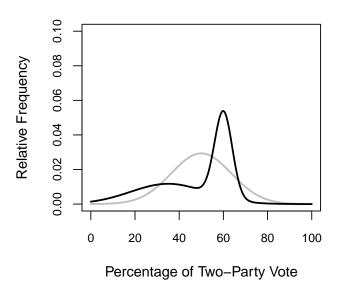
Cracking \Rightarrow Compressed SD

Relatively Responsive Vote Distribution



Packing \Rightarrow Skew

Skewed Vote Distribution



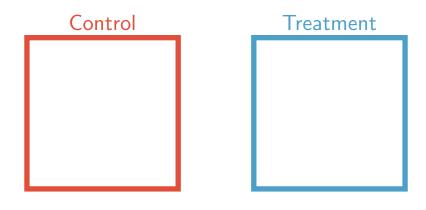
2. Simulations

Moderna COVID-19 vaccine 100% effective in adolescents, company says

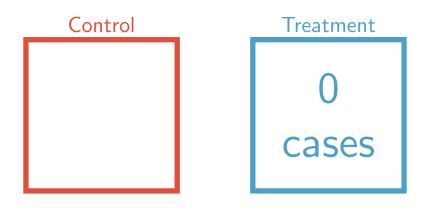
The news comes after Pfizer announced that its COVID-19 vaccine was safe and 100% effective in kids aged 12-15



Measuring the Effects of Vaccines



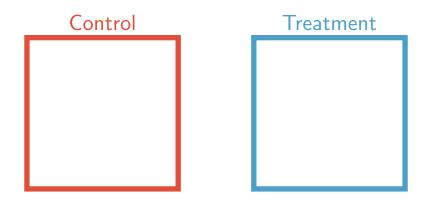
Measuring the Effects of Vaccines



Measuring the Effects of Vaccines



Measuring the Effects of Gerrymanders



Measuring the Effects of Gerrymanders Legislature or Commission-Control Drawn

Measuring the Effects of Gerrymanders Legislature or Commission-Control Drawn Bias

Measuring the Effects of Gerrymanders

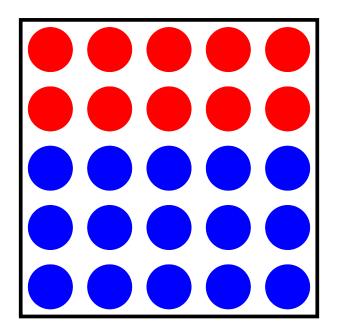
Control

Legislature or Commission-Drawn

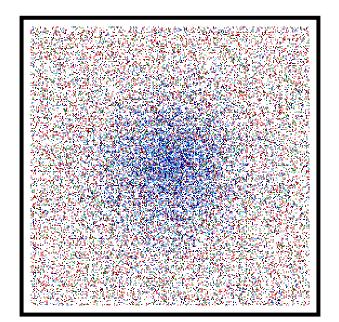
Bias

Geography is Complicated

Geography is Complicated



Geography is Complicated

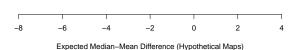


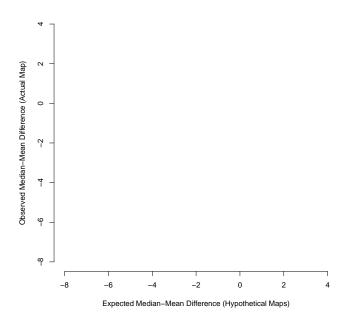
Control __

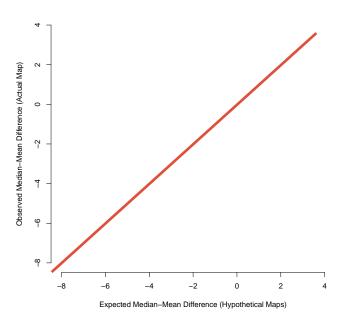
Randomly Drawn
Maps

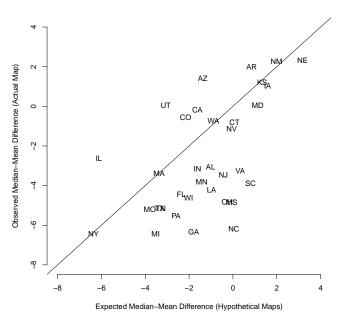
3. How did

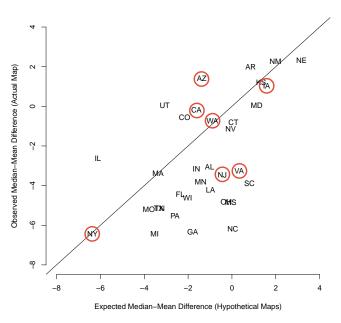
3. How did commissions do?

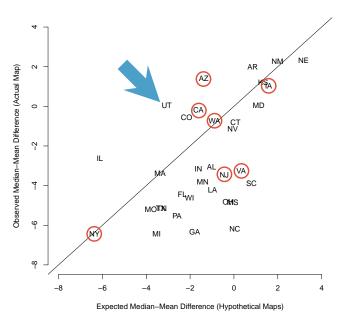


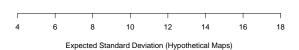


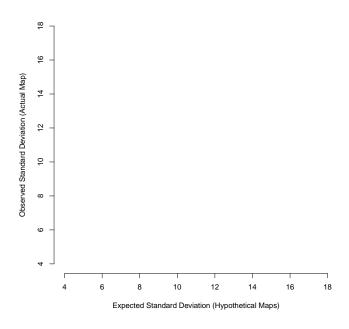


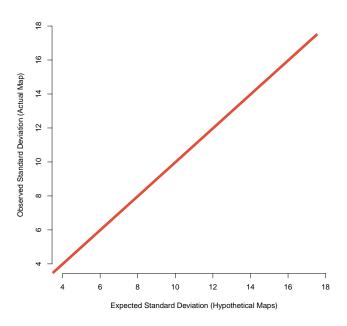


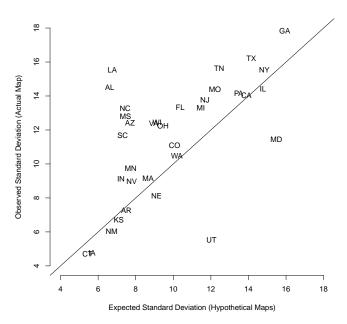


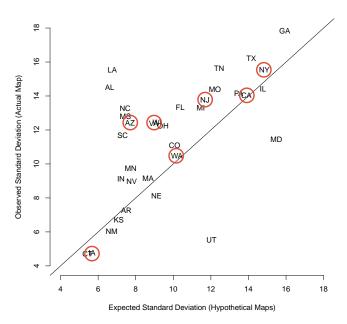


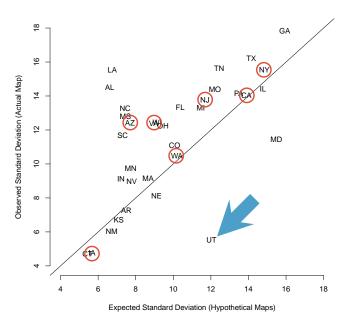




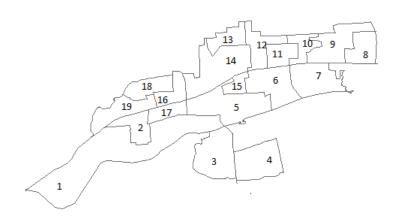


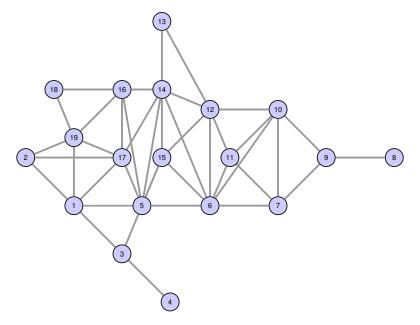


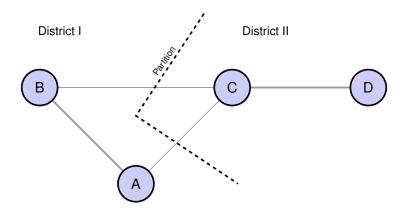




Thank You







A Neutral Algorithm for Redistricting District I 19

A Neutral Algorithm for Redistricting District I : District II